

Please type a plus sign (+) inside this box

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of

Complete if Known

Application Number 09/802,196  
Filing Date March 8, 2001  
First Named Inventor Saulsbury, Ashley  
Group Art Unit 2183  
Examiner Name W. TREAT  
Attorney Docket Number 016747-014710US

RECEIVED  
OCT 17 2001  
Group 2183

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
WMT	AA	4,542,456		Hill	09/17/85	
	AB	5,687,338		Boggs, et al.	11/11/97	
	AC	5,900,011		Saulsbury, et al.	05/04/99	
	AD	5,909,572		Thayer, et al.	06/01/99	
	AE	5,933,650		van Hook, et al.	08/03/99	
	AF	6,014,723		Tremblay, et al.	01/11/00	
WMT	AG	6,128,702		Saulsbury, et al.	10/03/00	
	AH					
	AI					
	AJ					
	AK					
	AL					
	AM					
	AN					
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					
	AU					
	AV					

## FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
WMT	AW	EP	0,540,155	A2	Advanced Micro Devices, Inc.	05/05/93		
WMT	AX	PCT	WO 80/01423	A1	Western Electric Company Inc.	07/10/80		
	AY							
	AZ							

Examiner Signature

W. TREAT

Date Considered

6/26/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DE 7051430 v1

Please type a plus sign (+) inside this box

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of

## Complete if Known

Application Number 09/802,196  
Filing Date March 8, 2001  
First Named Inventor Saulsbury, Ashley  
Group Art Unit 2183  
Examiner Name W. TREAT  
Attorney Docket Number 016747-014710US

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	BA							
	BB							
	BC							
	BD							

Examiner  
Signature

W. TREAT

Date  
Considered

6/26/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231  
DE 7051430 v1

Please type a plus sign (+) inside this box

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet **3** of **3**

## **Complete if Known**

Application Number 09/802,196  
Filing Date March 8, 2001  
First Named Inventor Saulsbury, Ashley  
Group Art Unit 2183  
Examiner Name **W. TREAT**  
Attorney Docket Number 016747-014710US

RECEIVED /  
OCT 17 2001  
Group 2-00

## **OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
WMT	BE	"UltraSPARC™ The Visual Instruction Set (VIS™): On Chip Support for New-Media Processing," Sun Microsystems, Hardware & Networking, Microelectronics, White Paper, retrieved from the Internet: <a href="http://www.sun.com/microelectronics/whitepapers/wp95-022">http://www.sun.com/microelectronics/whitepapers/wp95-022</a> , printed 6/4/99	
WMT	BF	8XC251SB Embedded Microcontroller User's Manual, Order Number 272617-001, Intel, February 1995, A1-A144	
WMT	BG	Manual for M32000D3FP, Single Chip 32-BIT CMOS Microcomputer, Mitsubishi Microcomputers, Mitsubishi Electric, May 1998	
WMT	BH	SUBRAMANIA SUDHARSANAN, "MAJC-5200: A High Performance Microprocessor for Multimedia Computing," Sun Microsystems, Inc., Paul Alto, CA	
WMT	BI	VIS™ Instruction Set User's Manual, Sun Microsystems, Inc., Palo Alto, CA, March 2000	
WMT	BJ	VIS™ Instruction Set User's Manual, Sun Microsystems, Sun Microelectronics, Mountain View, CA, Part Number: 805-1394-01, July 1997	
WMT	BK	RUBY B. LEE, Hewlett-Packard, "Subword Parallelism with MAX-2," August 1996 IEEE.	
	BL		
	BM		
	BN		
	BO		

Examiner Signature	<b>W. TREAT</b>	Date Considered	<b>6/26/04</b>
--------------------	-----------------	-----------------	----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.  
DE 7051430 v1